





FIG.2

TABLE 2
OPERATIONAL ATTRIBUTES

10-POINT SCALE	1	2	3	4	5	6	7	8
0	5+	± 2.0	5+	5+	± 2.0	± 2.0	10%	POOR
1		± 1.8			± 1.8	± 1.8	9%	
2	4	± 1.6	4	4	± 1.6	± 1.6	8%	
3		± 1.4			± 1.4	± 1.4	7%	
4	3	± 1.2	3	3	± 1.2	± 1.2	6%	
5		± 1.00			± 1.00	± 1.00	5%	MODERATE
6	2	± 0.8	2	2	± 0.8	± 0.8	4%	
7		± 0.6			± 0.6	± 0.6	3%	
8	1	± 0.4	1	1	± 0.4	± 0.4	2%	
9		± 0.2			± 0.2	± 0.2	1%	
10	0	0	0	0			0%	GOOD
PERFORMANCE SCORE ON 10-POINT SCALE	8	9	10	6	8	5	5	10
SUBJECTIVE WEIGHTING	100	100	60	25	50	25	50	25
WEIGHTED SCORE	8	9	10	9	9	8.75	7.5	10
TOTAL WEIGHTED SCORE	8.9							

FIG.3

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TABLE 1

OPERATIONAL ATTRIBUTE	PRINT DEFECT
1. NOZZLE(S) OUT	Streaking
2. LINE FEED ADVANCE ACCURACY	Light/dark lines
3. MISDIRECTED NOZZLES VARIATION	Light/dark lines
4. WEAK NOZZLES	Streaking
5. ALIGNMENT	Staggered lines and granularity
6. THETA-Z	Staggered lines and banding
7. DROP WEIGHT	Overall darkness/lightness, Not enough saturation, too much ink in page
8. DOT SHAPE ON PAGE	Dark/light regions, fuzzy lines
X AXIS ALIGNMENT PRIMARY TO PRIMARY	Banding and increased granularity and edge roughness
Y AXIS ALIGNMENT PRIMARY TO PRIMARY	Banding and streaking
COLUMN TO COLUMN INTRA-PRIMARY ALIGNMENT	Increased granularity and edge roughness
BI DIRECTIONAL ALIGNMENT	Increased granularity and edge roughness
PEN TO PAPER SPACING (MEDIA THICKNESS)	Banding
PEN TO PAPER ANGLE	Banding
PEN TO PAPER VARIATION OVER PRINT ZONE	Banding variations over zone
PEN AXIS NOZZLE DIRECTIONALITY	Streaking and banding
SCAN AXIS NOZZLE DIRECTIONALITY	Banding and increased granularity and edge roughness
PEN THERMAL RESPONSE	Overall darkness/lightness, not enough saturation, too much ink in page, hue shift
AMBIENT TEMPERATURE AND HUMIDITY	Dry time
AMBIENT TEMPERATURE ALONE	Pen thermal response
DROP VELOCITY	Streaking, fuzzy lines, banding
INK LEVEL	Streaking

FIG.4